

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--------------------|------------------|---------|------------------|
| S2 | 9 | "05216516" "05337069" "05337168" "05349610" "05495266" "05683135" "06052156" "06125288" "06255577" | US-PGPUB; USPAT | OR | ON | 2007/10/08 19:55 |
| S4 | 1 | 704/207.ccls. and @ad<"20030331" and (semiconductor circuit processor ic) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (audio music song) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (voice speech) | US-PGPUB; USPAT | OR | ON | 2007/10/08 20:17 |
| S6 | 0 | 704/278.ccls. and @ad<"20030331" and (semiconductor circuit processor ic) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (audio music song) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (voice speech) | US-PGPUB; USPAT | OR | ON | 2007/10/08 20:46 |
| S7 | 3 | 704/270.ccls. and @ad<"20030331" and (semiconductor circuit processor ic) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (audio music song) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (voice speech) | US-PGPUB; USPAT | OR | ON | 2007/10/08 20:18 |
| S8 | 9 | "704"/\$.ccls. and @ad<"20030331" and (semiconductor circuit processor ic) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (audio music song) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (voice speech) | US-PGPUB; USPAT | OR | ON | 2007/10/08 20:26 |

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| S9 | 3 | "704"/\$.ccls. and @ad<"20030331" and (semiconductor circuit processor ic) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (audio music song) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (voice speech) and (combin\$6 mix\$4 add\$4) with (voice speech) with (audio music song) | US-PGPUB; USPAT | OR | ON | 2007/10/08 20:30 |
| S10 | 8 | @ad<"20030331" and (semiconductor circuit processor ic) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (audio music song) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (voice speech) and (combin\$6 mix\$4 add\$4) with (voice speech) with (audio music song) | US-PGPUB; USPAT | OR | ON | 2007/10/08 20:28 |
| S11 | 6 | "704"/\$.ccls. and @ad<"20070331" and (semiconductor circuit processor ic) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (audio music song) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (voice speech) and (combin\$6 mix\$4 add\$4) with (voice speech) with (audio music song) | US-PGPUB; USPAT | OR | ON | 2007/10/08 20:32 |

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| S12 | 8 | "704"/\$.ccls. and @ad<"20070331" and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (audio music song) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (voice speech) and (combin\$6 mix\$4 add\$4) with (voice speech) with (audio music song) | US-PGPUB; USPAT | OR | ON | 2007/10/08 20:43 |
| S15 | 4 | "704"/\$.ccls. and @ad<"20030331" and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (audio music song) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (voice speech) and (combin\$6 mix\$4 add\$4) with (voice speech) with (audio music song) | US-PGPUB; USPAT | OR | ON | 2007/10/08 20:47 |
| S16 | 0 | 704/278.ccls. and @ad<"20030331" and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (audio music song) and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) with (voice speech) | US-PGPUB; USPAT | OR | ON | 2007/10/08 20:46 |
| S17 | 31 | "704"/\$.ccls. and @ad<"20030331" and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) and (combin\$6 mix\$4 add\$4) with (voice speech) with (audio music song) | US-PGPUB; USPAT | OR | ON | 2007/10/09 10:33 |

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| S18 | 12 | "704"/\$.cccls. and @ad<"20030331" and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) and (combin\$6 mix\$4 add\$4) with (voice speech) with (audio music song) and (multi\$4 plural\$4) with input | US-PGPUB; USPAT | OR | ON | 2007/10/08 20:49 |
| S19 | 1 | "704"/\$.cccls. and @ad<"20030331" and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) and (combin\$6 mix\$4 add\$4) with (voice speech) with (audio music song) and delta-sigma | US-PGPUB; USPAT | OR | ON | 2007/10/09 10:39 |
| S20 | 2 | @ad<"20030331" and (oversampl\$4up-sampl\$4 upsampl\$4 oversampl\$4 "over sampl\$4" re-sampl\$4 resampl\$4) and (combin\$6 mix\$4 add\$4) with (voice speech) with (audio music song) and delta-sigma | US-PGPUB; USPAT | OR | ON | 2007/10/09 13:47 |
| S21 | 1 | @ad<"20030331" and (combin\$6 mix\$4 add\$4) with (voice\$4 speech) with (audio music\$4 song\$4) and delta-sigma with converters | US-PGPUB; USPAT | OR | OFF | 2007/10/09 10:51 |
| S22 | 2 | @ad<"20030331" and (combin\$6 mix\$4 add\$4) with (voice\$4 speech) with (audio music\$4 song\$4) and delta-sigma with convert\$4 | US-PGPUB; USPAT | OR | OFF | 2007/10/09 10:53 |
| S23 | 2 | @ad<"20030331" and (combin\$6 mix\$4 add\$4) with (voice\$4 speech) with (audio music\$4 song\$4 background) and delta-sigma with convert\$4 | US-PGPUB; USPAT | OR | OFF | 2007/10/09 10:54 |
| S24 | 7 | @ad<"20070331" and (combin\$6 mix\$4 add\$4) with (voice\$4 speech) with (audio music\$4 song\$4 background) and delta-sigma with convert\$4 | US-PGPUB; USPAT | OR | OFF | 2007/10/09 10:55 |

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| S27 | 12 | @ad<"20030331" and (combin\$6 mix\$4 add\$4) with (voice\$4 speech audio music\$4 song\$4 background) and delta-sigma with converters and (determin\$4 select\$4 predetermin\$4 predetermin\$4 predefin\$4 pre-defin\$4 default) near3 sampling adj2 (rate frequency) | US-PGPUB; USPAT | OR | ON | 2007/10/09 11:02 |
| S29 | 3 | @ad<"20030331" and (semiconductor circuit processor ic) and (combin\$6 mix\$4 add\$4) with (voice speech) with (audio music song) and delta-sigma | US-PGPUB; USPAT | OR | ON | 2007/10/09 13:48 |
| S30 | 199 | @ad<"20030331" and (semiconductor circuit processor ic) and (combin\$6 mix\$4 add\$4) with (voice speech audio music song background) and delta-sigma | US-PGPUB; USPAT | OR | ON | 2007/10/09 13:49 |
| S31 | 132 | @ad<"20030331" and (semiconductor circuit processor ic) and (combin\$6 mix\$4 add\$4) with (voice speech audio music song background) and delta-sigma with convert\$4 | US-PGPUB; USPAT | OR | ON | 2007/10/11 11:17 |
| S35 | 2 | @ad<"20030331" and (semiconductor\$4 circuit\$4 processor\$4 ic) and (combin\$6 mix\$4 add\$4) with (voice speech audio music song background) and delta-sigma with convert\$4 and (dsps microprocessors microcontrollers micro-processors micro-controllers micro-computers processors microcomputers) and (multi\$4 plural\$4) with (input\$4 output\$4) and (determin\$4 select\$4 predetermin\$4 predetermin\$4 predefin\$4 pre-defin\$4 default) near3 sampling adj2 (rate frequency) | US-PGPUB; USPAT | OR | OFF | 2007/10/11 11:18 |

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| S39 | 1 | @ad<"20030331" and (semiconductor\$4 circuit\$4 processor\$4 ic) and (combin\$6 mix\$4 add\$4) with ((voice speech) and (audio music song backgroun)) and delta-sigma and (dsps microprocessors microcontrollers micro-processors micro-controllers micro-computers processors microcomputers) and (multi\$4 plural\$4) with (converter) | US-PGPUB; USPAT | OR | OFF | 2007/10/09 14:23 |
| S42 | 11 | @ad<"20030331" and (semiconductor\$4 circuit\$4 processor\$4 ic) and (combin\$6 mix\$4 add\$4) with ((voice speech) and (audio music song backgroun)) and delta-sigma and converters and (dsps microprocessors microcontrollers micro-processors micro-controllers micro-computers processors microcomputers) and (multi\$4 plural\$4) with (input\$4 output\$4) | US-PGPUB; USPAT | OR | OFF | 2007/10/09 17:41 |
| S48 | 18 | "704"/\$.ccls. and @ad<"20030331" and (semiconductor\$4 circuit\$4 processors ic) and (combin\$6 mix\$4 add\$4) with ((voice speech) and (audio music song backgroun)) and convert\$4 and (dsps microprocessors microcontrollers micro-processors micro-controllers micro-computers processors microcomputers) and (multi\$4 plural\$4) with (input\$4 output\$4) and converters | US-PGPUB; USPAT | OR | OFF | 2007/10/09 17:59 |
| S51 | 21 | "704"/\$.ccls. and @ad<"20030331" and (integrat\$4 circuit\$4 ic) and (combin\$6 mix\$4 add\$4) with ((voice speech) and (audio music song backgroun)) and convert\$4 and (dsps microprocessors microcontrollers micro-processors micro-controllers micro-computers processors microcomputers) and (multi\$4 plural\$4) with (input\$4 output\$4) and converters | US-PGPUB; USPAT | OR | OFF | 2007/10/11 10:57 |

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| S52 | 0 | "704"/278.ccls. and @ad<"20030331" and (integrat\$4 circuit\$4 ic) and (combin\$6 mix\$4 add\$4) with ((voice speech) and (audio music song backgroun)) and convert\$4 and (dsps microprocessors microcontrollers micro-processors micro-controllers micro-computers processors microcomputers) and (multi\$4 plural\$4) with (input\$4 output\$4) and converters | US-PGPUB; USPAT | OR | OFF | 2007/10/09 18:01 |
| S53 | 6 | "704"/\$.ccls. and @ad<"20030331" and (integrat\$4 adj2 circuit\$4 ic) and (combin\$6 mix\$4 add\$4) with ((voice speech) and (audio music song backgroun)) and convert\$4 and (dsps microprocessors microcontrollers micro-processors micro-controllers micro-computers processors microcomputers) and (multi\$4 plural\$4) with (input\$4 output\$4) and converters | US-PGPUB; USPAT | OR | OFF | 2007/10/09 18:14 |
| S56 | 1 | "20070213977" | US-PGPUB; USPAT | OR | OFF | 2007/10/10 12:38 |
| S57 | 2 | ("4450742" "6100462").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/10 12:41 |
| S58 | 1 | ("6255577").URPN. | USPAT | OR | OFF | 2007/10/10 12:42 |
| S59 | 24 | ("20020103552" "4478525" "4602546" "4796014" "5054787" "5146473" "5214543" "5225944" "5315638" "5388992" "5675509" "5726629" "5753844" "5778335" "6094587" "6167251" "6252495" "6255577" "6355870" "6366791" "6411198" "6501967" "6549767" "6554711").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/10 12:42 |
| S60 | 14 | ("5117234" "5150120" "5345236" "5363101" "5438623" "5483528" "5550544" "5561425" "5589830" "5647008" "5729225" "5751615" "5774567" "5835044").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/10 14:44 |
| S61 | 14 | ("6154161").URPN. | USPAT | OR | OFF | 2007/10/10 15:11 |

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|-----|----|--|------------------------------|----|-----|------------------|
| S62 | 1 | ("6154497").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/10 15:15 |
| S63 | 3 | ("6608572").URPN. | USPAT | OR | OFF | 2007/10/10 15:16 |
| S64 | 7 | ("4817167" "4910780" "4926138" "4965674" "5184219" "5291525" "5392348").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/10 15:16 |
| S65 | 1 | ("5642463").URPN. | USPAT | OR | OFF | 2007/10/10 15:17 |
| S66 | 1 | ("6173265").URPN. | USPAT | OR | OFF | 2007/10/10 15:20 |
| S67 | 3 | ("5245667" "5490174" "5504751").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/10 15:20 |
| S68 | 7 | ("4202018" "4473850" "4758907" "4763206" "4827490" "4856030" "4864526").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/10 15:21 |
| S69 | 17 | ("5245667").URPN. | USPAT | OR | OFF | 2007/10/10 15:23 |
| S70 | 9 | ("3359378" "4192974" "4331843" "4980908" "5045809" "5075687" "5119365" "5204976").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/10 15:25 |
| S71 | 14 | ("5473666").URPN. | USPAT | OR | OFF | 2007/10/10 15:25 |

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|-----|----|--|------------------------------|----|-----|------------------|
| S72 | 63 | ("3555192" "3605042" "3681704" "3725583" "3769459" "4076959" "4214501" "4489439" "4509191" "4528696" "4584700" "4584921" "4649786" "4731835" "4748669" "4752960" "4817149" "4841572" "4864246" "4866774" "4909119" "4942799" "4955057" "4993073" "5012199" "5046107" "5123050" "5130665" "5140886" "5179238" "5189705" "5201005" "5263092" "5300723" "5317104" "5323275" "5333203" "5342990" "5365195" "5369711" "5371803" "5384856" "5394476" "5400410" "5410265" "5491755" "5555306" "5567901" "5596651" "5621801" "5633939" "5644098" "5652800" "5665929" "5677962" "5731534" "5744739" "5745583" "5808575" "5812677" "5883963" "5907622" "Re33739").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/10 15:26 |
| S76 | 8 | (integrat\$4 adj2 circuit\$4 ic) and (combin\$6 mix\$4 add\$4) with ((voice speech) with (audio music song background)) with digital\$4 and (dsps microprocessors microcontrollers micro-processors micro-controllers micro-computers processors microcomputers) and (multi\$4 plural\$4) with (input\$4 output\$4) and converters | US-PGPUB; USPAT | OR | OFF | 2007/10/10 17:41 |
| S77 | 56 | @ad<"20030331" and (integrat\$4 adj2 circuit\$4 ic) and (combin\$6 mix\$4 add\$4) with ((voice speech) with (audio music song background)) and convert\$4 and (dsps microprocessors microcontrollers micro-processors micro-controllers micro-computers processors microcomputers) and (multi\$4 plural\$4) with (input\$4 output\$4) and converters | US-PGPUB; USPAT | OR | OFF | 2007/10/10 17:40 |

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| S78 | 2 | @ad<"20030331" and (integrat\$4 adj2 circuit\$4 ic) and (combin\$6 mix\$4 add\$4) with ((voice speech) with (audio music song background)) with digital\$4 and (dsps microprocessors microcontrollers micro-processors micro-controllers micro-computers processors microcomputers) and (multi\$4 plural\$4) with (input\$4 output\$4) and converters | US-PGPUB; USPAT | OR | OFF | 2007/10/10 17:43 |
| S80 | 19 | @ad<"20030331" and (integrat\$4 adj2 circuit\$4 ic) and (combin\$6 mix\$4 add\$4) with ((voice speech audio music song background)) with digitally and (dsps microprocessors microcontrollers micro-processors micro-controllers micro-computers processors microcomputers) and (multi\$4 plural\$4) with (input\$4 output\$4) and converters | US-PGPUB; USPAT | OR | OFF | 2007/10/10 17:49 |
| S81 | 29 | @ad<"20030331" and (integrat\$4 adj2 circuit\$4 ic) and (combin\$6 mix\$4 add\$4) with ((voice speech audio music\$4 song background sound\$4)) with digitally and (dsps microprocessors microcontrollers micro-processors micro-controllers micro-computers processors microcomputers) and (multi\$4 plural\$4) with (input\$4 output\$4) and converters | US-PGPUB; USPAT | OR | OFF | 2007/10/10 17:50 |
| S82 | 42 | ("5982305").URPN. | USPAT | OR | OFF | 2007/10/10 17:52 |
| S83 | 1 | "341"/\$.cls. and @ad<"20030331" and (integrat\$4 circuit\$4 ic) and (combin\$6 mix\$4 add\$4) with ((voice speech) and (audio music song background)) and convert\$4 and (dsps microprocessors microcontrollers micro-processors micro-controllers micro-computers processors microcomputers) and (multi\$4 plural\$4) with (input\$4 output\$4) and converters | US-PGPUB; USPAT | OR | OFF | 2007/10/11 10:59 |

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|-----|----|---|-----------------|----|-----|------------------|
| S84 | 2 | @ad<"20030331" and (semiconductor\$4 circuit\$4 processor\$4 ic) and (combin\$6 mix\$4 add\$4) with (voice speech audio music song backgroun) and delta-sigma with convert\$4 and (dsps microprocessors microcontrollers micro-processors micro-controllers micro-computers processors microcomputers) and (multi\$4 plural\$4) with (input\$4 output\$4) and (determin\$4 select\$4 predetermin\$4 predetermin\$4 predefin\$4 pre-defin\$4 default) near3 sampling adj2 (rate frequency) | US-PGPUB; USPAT | OR | OFF | 2007/10/11 11:18 |
| S85 | 30 | @ad<"20030331" and (semiconductor\$4 circuit\$4 processor\$4 ic) and (combin\$6 mix\$4 add\$4) with (voice speech audio music song backgroun) and delta-sigma with convert\$4 and (dsps microprocessors microcontrollers micro-processors micro-controllers micro-computers processors microcomputers) and (multi\$4 plural\$4) with (input\$4 output\$4) and converters | US-PGPUB; USPAT | OR | OFF | 2007/10/11 11:18 |